

SEMPER SUPRA

Space Operations Command Mission Brief

Current as of 21 Apr 22



This Briefing is UNCLASSIFIED



US SPACE FORCE PURPOSE

“ We are forging a warfighting Service that is always above. Our purpose is to promote security and assure our allies and partners. Further, we will deter aggressors by demonstrating the capability to deny their objectives and impose costs upon them. ”

GENERAL JOHN W. “JAY” RAYMOND

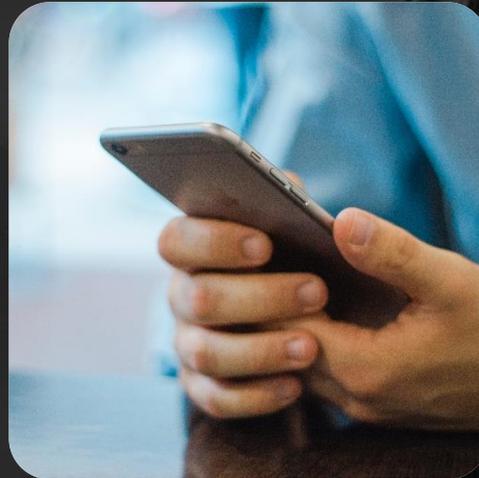
First Chief Of Space Operations





SPACE CONTRIBUTIONS

Space Fuels the American Way of Life... And Is Vital to Our National Defense

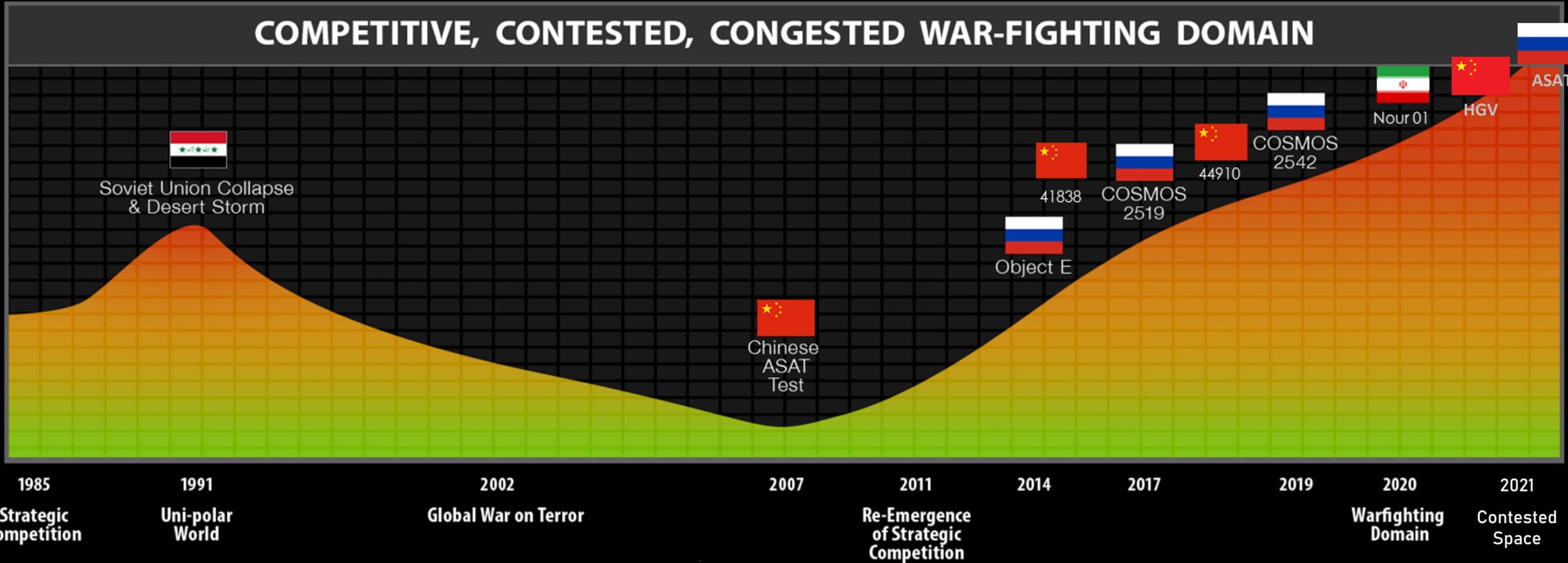




SPACE ENVIRONMENT OVER TIME

COMPETITIVE, CONTESTED, CONGESTED WAR-FIGHTING DOMAIN

SPACE THREAT ENVIRONMENT



BUILD UP OF DOMAIN CONGESTION



Congested: (a/o 28 Feb 22)

- 43,900 total tracked objects | 5,400 active payloads
- 2022: 19 Launches | 306 Payloads
- 2021: 135 Launches | 1,721 Payloads

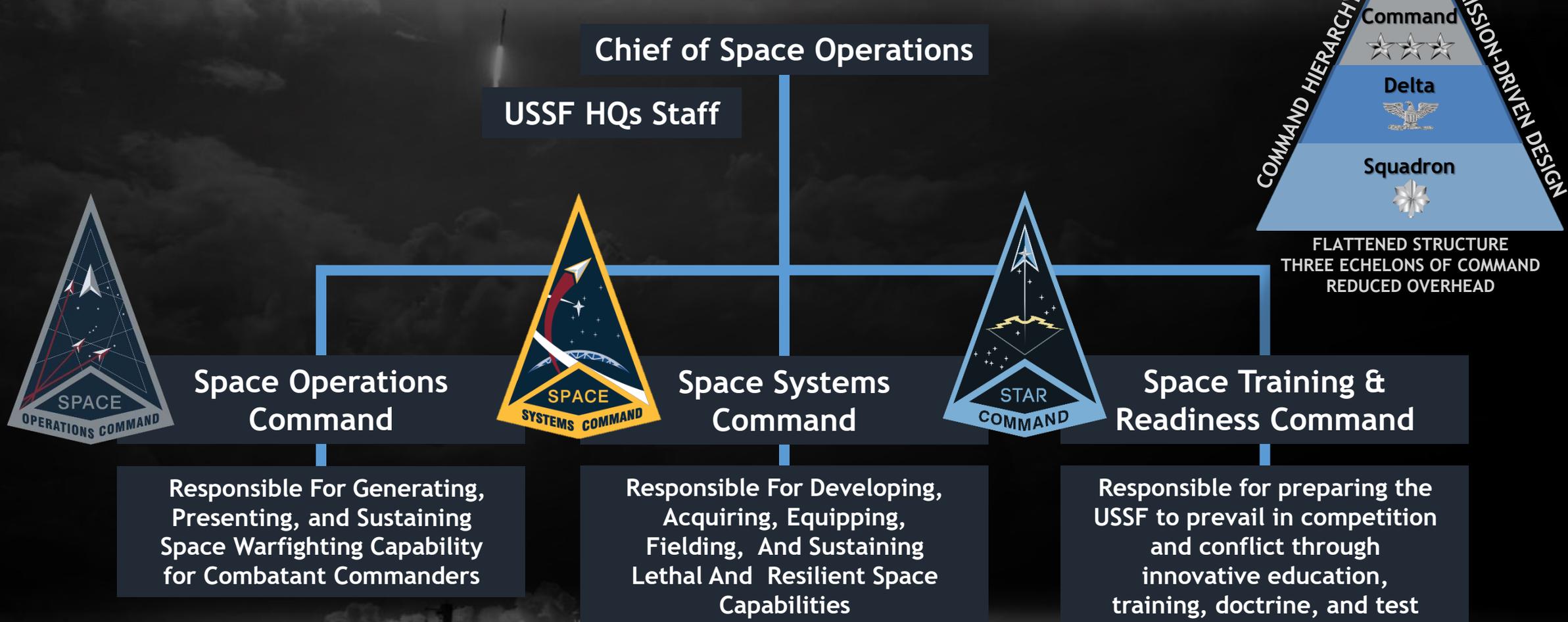
Contested:

- Russian ASAT against COSMOS 1408
- Monitoring of Chinese SJ-17 and SJ-21





U.S. SPACE FORCE ORGANIZATION



The U.S. Space Force Will Innovate Faster to Outpace Threats From Adversaries



SpOC MISSION STATEMENT

*Protects America and our Allies in, from, and to space...
Now and into the future*

SpOC HQ MISSION STATEMENT

Generates, presents, and sustains combat-ready intelligence, cyber, space and combat support forces and serves as the USSF Service Component to USSPACECOM

SpOC VISION STATEMENT

*America's Space Warfighters—
Always Ready, Always Innovative, Always Above*





SPACE OPERATIONS COMMAND PRIORITIES

PREPARING

... Combat-ready, ISR-led, cyber-secure space & combat support forces
... An empowered, diverse, healthy warfighting culture



PARTNERING

... Across United States Government, Allies, & Commercial Partners
... With USSPACECOM as its United States Space Force Service Component

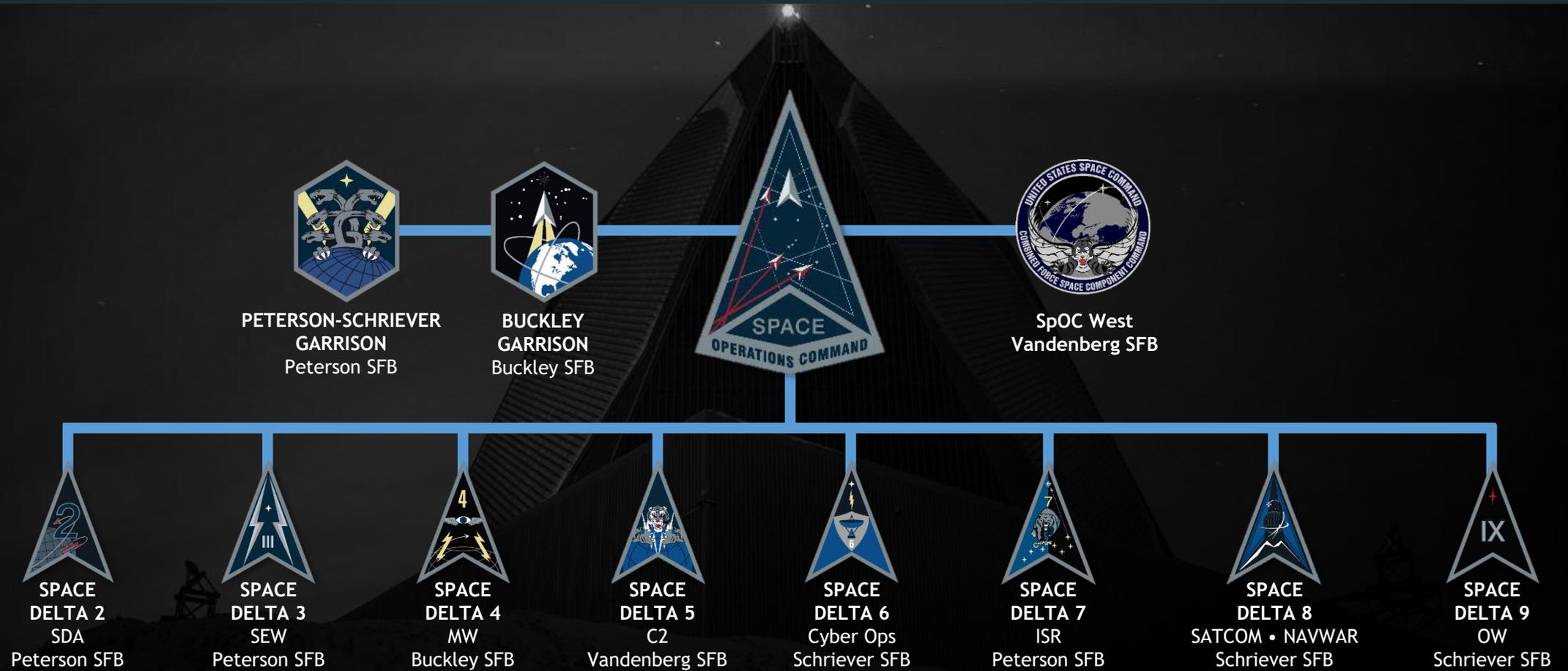


PROJECTING

... Combat power in, from, & to space
... An innovative, digitized force



SPACE OPERATIONS COMMAND





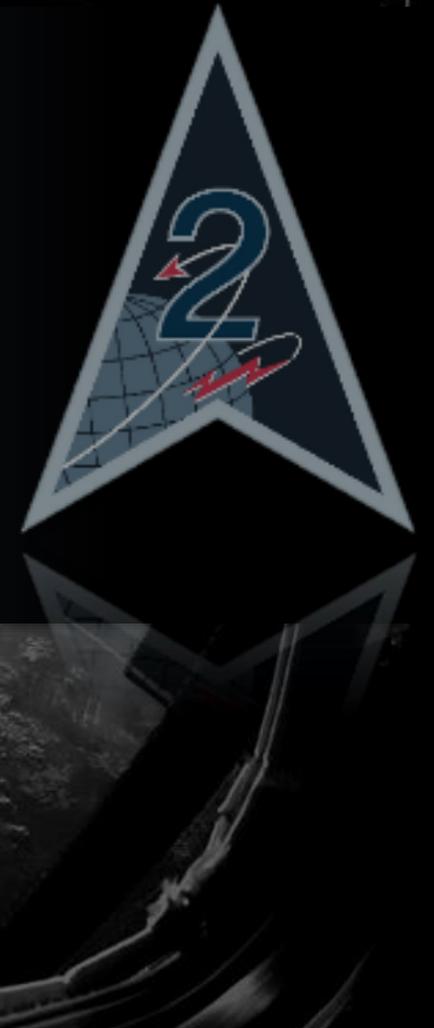
DELTA 2: SPACE DOMAIN AWARENESS

Mission:

- Prepare, present, & fight with assigned & attached forces executing combat-ready Space Domain Awareness operations to maintain freedom of action for U.S., Allied & commercial partners
- To close the kill-chain in order to protect & defend the U.S. & our Allies from attack in, from, & to space

Vision:

- Sentinels are the foundation of space superiority -- Always Vigilant, Always Above!



Ensuring Freedom of Action in Space & Vital to Closing the Kill Chain



DELTA 3: SPACE ELECTROMAGNETIC WARFARE

Mission:

- Present combat-ready Space Electromagnetic Warfare professionals to integrate, synchronize, and execute fires for U.S., Allied & Coalition forces

Vision:

- Premier Space Electromagnetic Warfare organization capable of integration & synchronization of Joint fires across all domains



Competitors Welcome, Spectators Not... Step Into the Arena!!!



DELTA 4: MISSILE WARNING

Mission:

- To provide strategic & theater missile warning to the U.S. & international partners

Vision:

- The U.S. & our international partners are free from the threat of missile attacks



The Kill Chain Starts with Us



DELTA 5: COMMAND & CONTROL

Mission:

- Execute operational C2 of space forces to achieve theater & global objectives

Vision:

- DoD's premier space operations center ensuring space effects for our nation, Joint forces, & Allies



Right Effect, Right Place, Right Time



DELTA 6: CYBER & SPACE ACCESS

Mission:

- Provide assured space access & defensive cyber operations (DCO) for national space enterprise & Joint warfighters

Vision:

- Premier leader of space access & cyber defense for space





DELTA 7: INTELLIGENCE, SURVEILLANCE, & RECONNAISSANCE

Mission:

- Execute global ISR operations to gain & maintain information dominance in the space domain

Vision:

- Deliver & drive space operations by providing timely, accurate & actionable intelligence in the execution of the National Defense Strategy priorities



National-to-Tactical ISR Operations Driving Left Seat / Right Seat Integration



DELTA 8: SATELLITE COMMUNICATIONS & NAVIGATIONAL WARFARE

Mission:

- One team... Delivering assured, effective & resilient SATCOM & PNT for our nation

Vision:

- The USSF's premier warfighters to connect & project space capabilities worldwide



Connect & Project Space Combat Power



DELTA 9: ORBITAL WARFARE

Mission:

- To protect & defend U.S. & Allied interests in space through orbital warfare operations

Vision:

- The world's elite space combat unit, propelled by warriors of integrity, agility, & tenacity



Responsible for the In-Domain Fight. Provides Freedom of Access in Space Through Combat Power Projection



PETERSON-SCHRIEVER GARRISON

P-SGAR enables USSF & partner mission execution for:

- 7 functional Space Deltas
- More than 80 mission partners
- At 22 locations worldwide
 - Integrated Base Operating, Combat Service & Garrison Support Agency Services



Primary Installations:
Cheyenne Mtn SFS, CO
Peterson SFB, CO
Schriever SFB, CO
Thule AB, Greenland

Supported Installations/Missions:
AMOS, Maui, HI
Kaena Point SFS, HI
New Boston SFS, NH
+ 16 USSF mission locations worldwide





BUCKLEY GARRISON

BGAR delivers combat support to 107 Joint & Allied mission partners

- Enables:
 - Missile Warning
 - Intelligence
 - Cyberspace Operations



Primary Installation:
Buckley SFB, CO

Supported Installations/Missions:
Cape Cod SFS, MA
Cavalier SFS, ND
Clear SFS, AK
+ 10 USSF mission locations worldwide



Unrivaled Installation Combat Support to the Strategic Missile Warning Mission



SpOC DCG ORGANIZATIONAL CHART

L1


SpOC Commander


Senior Enlisted Leader


Vice Commander

L2


Deputy Commanding General Support


Deputy Commanding General Operations


Deputy Commanding General Transformation

L3


Director
Human Capital
(DCG-S/S1)


Director, Intelligence
(DCG-O/S2)


Director, BMC3
(DCG-O/S3/10)

GS-15
Director, CDO
(DCG-T/CDO)

GS-15
Director, Astrodynamics
& Ops Acceptance
(DCG-T/S9I)


Director
Mission Sustainment
(DCG-S/S4)


Director, Comp Plans &
Readiness
(DCG-O/S3/5)


Director, Combat Power
(DCG-O/S3/6)

GS-15
Director Transformation
(DCG-T/S9A)

GS-15
Director
Military/Intl Affairs
(DCG-T/IA)


Director, Resource Mgmt
& Spc Pgms
(DCG-S/S8)


Director, Info Mobility
(DCG-O/S3/3)


Director, Innovation
(DCG-T/IN)



DCG-O ORGANIZATIONAL CHART

L1

★ ★ ★
SpOC Commander

L2

GS-8
Executive Assistant
(DCG-O/EA)

Chief Enlisted Manager
(DCG-O/CEM)

GS-15
Tech Director
(DCG-O/TD)

★
Deputy Commanding General Operations

Executive Officer
(DCG-O/E)

Administration Support
(DCG-O/AS)

Reserve Advisor
(DCG-O/RA)

L3

Director Intelligence
(DCG-O/S2)

Director, Comp Plans & Readiness
(DCG-O/S3/5)

Director, BMC3
* Delta 5/6
(DCG-O/S3/10)

Director, Combat Power
(DCG-O/S3/6)

Director, Info Mobility
(DCG-O/S3/3)

L4

Threat Analysis
(DCG-O/S2A)

Component Plans & Integ.
(DCG-O/S3/5P)

DTRN
(DCG-O/S3/10D)

Orbital Warfare
* Delta 9
(DCG-O/S3/6O)

MW & Tracking
* Delta 4
(DCG-O/S3/3M)

ISR Operations
* Delta 5/7
(DCG-O/S2O)

Readiness
(DCG-O/S3/5R)

Tactical C2
(DCG-O/S3/10C)

Electronic Warfare
* Delta 3
(DCG-O/S3/6W)

SATCOM
* Delta 8
(DCG-O/S3/3S)

Special Security
(DCG-O/S2S)

Operational C2
(DCG-O/S3/10O)

SDA & EM
* Delta 2
(DCG-O/S3/6S)

PNT
* Delta 8
(DCG-O/S3/3P)

NIP/MIP Cap. & Resources
(DCG-O/S2X)

NC3 & ITW/AA
(DCG-O/S10N)

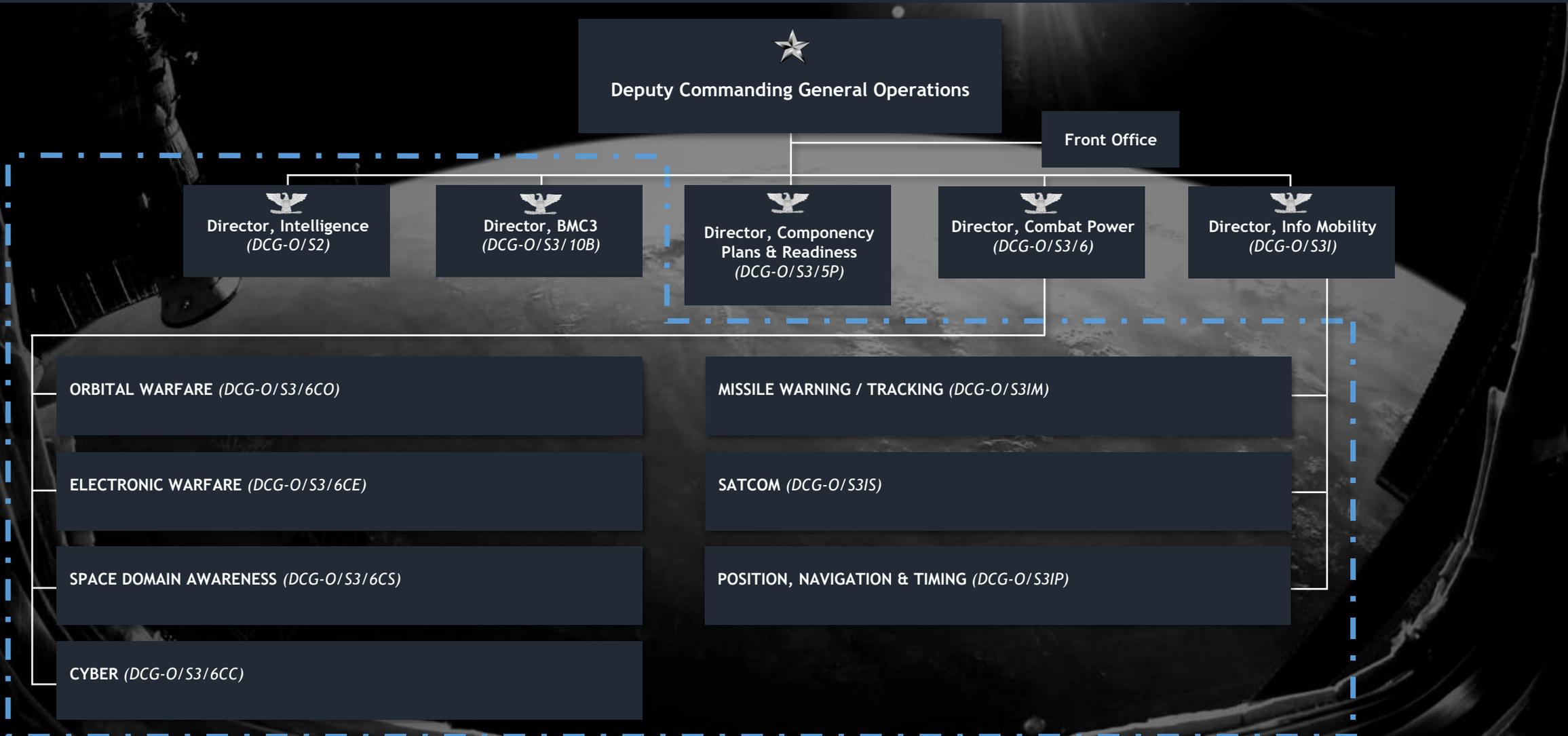
CYBER
* Delta 6
(DCG-O/S3/6C)

Special Msn. Enterprise
(DCG-O/S2Z)

* Indicates MAT in support of Delta
Indicates Super MAT for enterprise capabilities across all Deltas



MISSION AREA TEAMS





SPACEPOWER CAPSTONE PUBLICATION

THREE CORNERSTONE RESPONSIBILITIES

- 1) Preserve Freedom of Action
- 2) Enable Joint Lethality and Effectiveness
- 3) Provide Independent Options

FIVE CORE COMPETENCIES

- 1) Space Security
- 2) Combat Power Projections
- 3) Space Mobility and Logistics
- 4) Information Mobility
- 5) Space Domain Awareness



"...We are building this service not just for today and tomorrow but for the next 100 years. And so, we need to build this service to be able to respond to any threat that our nation might face..." - General John W. "Jay" Raymond, 2021



USSF CAREER FIELDS

Acquisitions and Engineering Professionals



Cyberspace Operators and Software Programmers



Intelligence Professionals



Space Operators





AIRMEN: FULL-TEAM MEMBERS ASSIGNED TO USSF



*Approximately 8,000 Airmen are assigned to USSF installations and units...
Chaplain Corps, Civil Engineering, Force Support, Judge Advocate General's Corps, Logistics, Medical, Security Forces, Weather*



PARTNERSHIPS WITH U.S. ALLIES

HQ Space Operations Command



BGen Kevin Whale
DCG-T



Space Delta 2



18 SPCS



Space Delta 3



Map locations and logos:

- Clear: UEWR 13 SWS (USA, CAN)
- Eareckson: COBRA DANE (USA)
- Beale: UEWR 7 SWS (USA, CAN)
- Buckley: SBIRS/DSP (2 SWS & 1 SWS) (USA, CAN, AUS, UK)
- Cape Cod: UEWR 6 SWS (USA, CAN)
- Thule: UEWR 12 SWS (USA, CAN)
- RAF Fylingdales: RAF Fylingdales (USA, UK)
- PARCS 10 SWS (USA, CAN)

Space Delta 4

CFSCC/CSpOC/Space Delta 5



Operation OLYMPIC DEFENDER



Multinational Space Collaboration Office



Space Situational Awareness Sharing Agreements
31 Nations • 2 IGOs • 5 Academic Institutions • 112 Industry Partners

44 Exchange Members Across SpOC + 20 USSPACECOM Exchange Teammates

Discussion

